EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	20	(RMON RMON2 dRMON) and 370/392.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:55
S96	44	(RMON RMON2 dRMON) same(byte)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:54
S128	10	newtwork and performance same (management analysis analyz$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:46
L6	26	(RFC adj ("2021" "2064"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 08:46
L4	27	("5245517" | "5365509" | "5418972" | "5572533" | "5598532" | "5659486" | "5668810" | "5680585" | "5751698" | "5778360" | "5802309" | "5831987" | "5854840" | "5870557" | "5878228" | "5878420" | "5887139" | "5909550" | "5913037" | "5916305" | "6003089" | "6032197" | "6044468" | "6122670" | "6292829" | "6304914" | "6421720").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/18 07:57
S123	2	"6697871".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 07:26
S137	1	"6085243".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 16:31
S136	1	"6725264".PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 16:31
S135	4	("5712981" | "5886643" | "5917808" | "5974460").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 16:23
S134	6	("20030115314" | "6003077" | "6085243" | "6128656" | "6427168" | "6725264").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/17 15:13
S133	14	(RMON RMON2 dRMON) same(hierarchi$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:07
S132	0	(RMON RMON2 dRMON) same(hirarchi$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:07

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S90	195	(RMON RMON2 dRMON) same(byte user bit download bandwidth)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 15:06
S131	2	"6697871".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:34
S130	2	"6243667".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 14:34
S129	5	09/676227	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 13:36
S127	0	newtwork same performance same (management analysis analyz$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 12:59
S126	0	(newtwork adj performance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 12:58
S125	156	(RMON RMON2 dRMON) and (byte and user and database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 12:58
S124	16	(RMON RMON2 dRMON) same(byte and user)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/17 11:18

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1. **NEPRI: available bandwidth measurement in IP networks**
Adachi, M.; Kikuchi, S.; Katsuyama, T.;
Communications, 2000. ICC 2000. 2000 IEEE International Conference on
Volume 1, 18-22 June 2000 Page(s):511 - 515 vol.1
Digital Object Identifier 10.1109/ICC.2000.853371
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   Network Operations and Management Symposium, 1998. NOMS 98., IEEE
   Volume 3, 15-20 Feb. 1998 Page(s):849 - 858 vol.3
   Digital Object Identifier 10.1109/NOMS.1998.655227

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Yong-Hoon Choi; Kil-Hung Lee; Jai-Yong Lee; Sang-Bae Lee;
Network Operations and Management Symposium, 1998. NOMS 98., IEEE
Volume 3, 15-20 Feb. 1998 Page(s):849 - 858 vol.3
Digital Object Identifier 10.1109/NOMS.1998.655227
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1. **Embedding RMON in large LAN switches**
Stelzer, E.E.; Gonsalves, T.A.;
Network, IEEE
Volume 13, Issue 1, Jan.-Feb. 1999 Page(s):63 - 72
Digital Object Identifier 10.1109/65.750451
AbstractPlus | Full Text: PDF(1100 KB) IEEE JNL
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2. **Design and implementation of a Web-based RMON agent system**
Myung-Kyun Kim; Jinsoo Kim;
Science and Technology, 2001. KORUS '01. Proceedings. The Fifth Russian-K
International Symposium on
Volume 1, 26 June-3 July 2001 Page(s):119 - 122 vol.1
Digital Object Identifier 10.1109/KORUS.2001.975074
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3. **Network congestion monitoring and detection using the IMI infrastructure**
Saitoh, T.; Mansfield, G.; Shiratori, N.;
Parallel Processing, 1999. Proceedings. 1999 International Conference on
21-24 Sept. 1999 Page(s):462 - 469
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4. **PROMIS: a reliable real-time network management tool for wide area netw**
Magana, E.; Aracil, J.; Villadangos, J.;
Euromicro Conference, 1998. Proceedings. 24th
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Digital Object Identifier 10.1109/EURMIC.1998.708074
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5. **An interactive interface and RT-Mach support for monitoring and controll management**
Mercer, C.W.; Rajkumar, R.;
Real-Time Technology and Applications Symposium, 1995. Proceedings
15-17 May 1995 Page(s):134 - 139

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6. **A new approach based on mobile agents to network fault detection**
Puhan Zhang; Yufang Sun;
Computer Networks and Mobile Computing, 2001. Proceedings. 2001 Internati on
16-19 Oct. 2001 Page(s):229 - 234
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7. **NEPRI: available bandwidth measurement in IP networks**
Adachi, M.; Kikuchi, S.; Katsuyama, T.;
Communications, 2000. ICC 2000. 2000 IEEE International Conference on
Volume 1, 18-22 June 2000 Page(s):511 - 515 vol.1
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1 A simple packet aggregation technique for fault detection
Akira Kanamaru, Kohei Ohta, Nei Kato, Glenn Mansfield
July 2000 **International Journal of Network Management**, Volume 10 Issue 4
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(287.09 KB) Additional Information: full citation, abstract, references, in

Packet monitoring has become a standard technique in network management and when applied volume of packets. To overcome this problem, we discuss the behavior of packets and present a technique which is useful for fault detection. Copyright © 2000 John Wiley & Sons, Ltd.

2 Web-accessible network management tools
Nathan J. Muller
September 1997 **International Journal of Network Management**, Volume 7 Issue 5
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(298.85 KB) Additional Information: full citation, abstract, index terms

Web-based delivery of management information is becoming a key strategic element in corporat various proprietory web-based management tools, in light of recently proposed industry standar

3 An architecture for monitoring and modeling network systems
Gerald A. Winters, Zhenjun Zhu, Michael A. Bauer, Hanan Lutfiyya, Daniel A. Muntz, Toby J. Teorey
November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on**
Publisher: IBM Press
Full text available: pdf(223.09 KB) Additional Information: full citation, abstract, references, cit

Advances in network monitoring protocols, such as SNMP and RMON, combined with their wides has led to the development of tools that enable system administrators to effectively manage prc configuration and troubleshooting. The abundance of monitoring and data-gathering tools prese monitoring and modeling technologies to provide enhanced network management capabilities. F

4 Extending the RMON matrix group to provide network layer statistics
Gerald A. Winters, Toby J. Teorey
October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies on**
Publisher: IBM Press
Full text available: pdf(179.96 KB) Additional Information: full citation, abstract, references, cit

The Simple Network Management Protocol SNMP is an application level protocol developed for tl connectionless protocol that provides a basic, easily implemented network-management tool for

current Internet management information base standard for SNMP (MIB-II) a network manager managed device. However, a manager cannot easily learn about traffic as a whole on the LAN.A

5 Applying the RMON standard to switched environments
Nathan Kalowski
November 1997 **International Journal of Network Management**, Volume 7 Issue 6
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(431.41 KB) Additional Information: full citation, abstract, index terms

As today's enterprise networks become increasingly complex, so Network Managers have an inc and analyse them. This article discusses the RMON standard, and the groups it defines, from a p & Sons, Ltd.

6 Annotated bibliography on network management
Simon Znaty, Jean Sclavos
January 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 1
Publisher: ACM Press
Full text available: pdf(1.64 MB) Additional Information: full citation, abstract, index terms

This annotated bibliography covers the various aspects of network management. It contains a li four network management models, namely, functional, architectural, informational and relationa

7 Modeling, evaluation, and testing of paradyn instrumentation system
Abdul Waheed, Diane T. Rover, Jeffrey K. Hollingsworth
November 1996 **Proceedings of the 1996 ACM/IEEE conference on Supercomputing (CDROI**
Publisher: IEEE Computer Society
Full text available: pdf(225.73 KB) Additional Information: full citation, abstract, references, cit

This paper presents a case study of modeling, evaluating, and testing the data collection service Paradyn parallel performance measurement tool using well-known performance evaluation and objective of the study is to use modeling- and simulation-based evaluation to provide feedback system configurations and task scheduling policies that can significantly reduce the ...

8 A scalable SNMP-based distibuted monitoring system for heterogeneous network computir
Rajesh Subramanyan, José Miguel-Alonso, José A. B. Fortes
November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROI**
Publisher: IEEE Computer Society
Full text available: pdf(171.64 KB) Publisher Site Additional Information: full citation, abstract, references, cit

Traditional centralized monitoring systems do not scale to present-day large, complex, network- standards for distributed management, this paper addresses the scalability problem through dis tools such as SIMONE (SNMP-based monitoring prototype implemented by the authors). Distribu levels of a dual entity called the Intermediate Level Manager (ILM) bet ...

9 Why web-based network monitoring? Leveraging the platform
Ron D. Jenkins
May 1999 **International Journal of Network Management**, Volume 9 Issue 3
Publisher: John Wiley & Sons, Inc.
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The increasing use of network monitoring and the growth of the Internet and intranets are conv infrastructures the logical means of delivering network monitoring, using browser -bused clients

10 Challenges in distributed systems: On distributed system management
Germán Goldszmidt

October 1993 **Proceedings of the 1993 conference of the Centre for Advanced Studies on computing - Volume 2**
Publisher: IBM Press
Full text available: pdf(1.14 MB) Additional Information: full citation, abstract, references

Device failures, performance inefficiencies, improper allocation of resources, security compromis associated with the operations of distributed systems. Effective management requires monitorin the distributed system resources, both hardware and software. Current management systems p agents monitor the system and collect data, which can be accessed by applications via ...

11 SNMP's Remote Monitoring MIB
Nathan J. Muller
January 1996 **International Journal of Network Management**, Volume 6 Issue 1
Publisher: John Wiley & Sons, Inc.
Additional Information: full citation, abstract, index terms

The ability to monitor the performance of remote LAN segments has been made easier with SNI Information Base (RMON MIB) standard.

12 Monitoring QoS distribution in multimedia networks
Chen-Khong Tham, Yuming Jiang, Chi-Chung Ko
March 2000 **International Journal of Network Management**, Volume 10 Issue 2
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(372.73 KB) Additional Information: full citation, abstract, references, cit

This paper presents two schemes, relevant monitor (RM)-based and improved releva distribution monitoring. With these schemes, when monitoring a real-time flow, a network mana metering the flow. Copyright © 2000 John Wiley & Sons, Ltd.

13 Managing service level agreements
Nathan J. Muller
May 1999 **International Journal of Network Management**, Volume 9 Issue 3
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(291.12 KB) Additional Information: full citation, abstract, index terms

Service level agreements are increasingly being used in enterprise networks and are contracts t within which a network service is provided. In this article their application, preparation, and effe Copyright © 1999 John Wiley & Sons, Ltd.

14 Smart packets: applying active networks to network management
Beverly Schwartz, Alden W. Jackson, W. Timothy Strayer, Wenyi Zhou, R. Dennis Rockwell, Craig P
February 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 1
Publisher: ACM Press
Full text available: pdf(190.33 KB) Additional Information: full citation, abstract, references, cit

This article introduces Smart Packets and describes the smart Packets architecture, the packet f and security considerations. Smart Packets is an Active Networks project focusing on applying a management and monitoring. Messages in active networks are programs that are executed at n hosts. Smart Packets programs are written in a tightly encoded, safe language specifically des ..

Keywords: active networks

15 SNMP through WWW
Ching-Wun 'Bo' Tsai, Ruay-Shiung 'Bo' Chang
March 1998 **International Journal of Network Management**, Volume 8 Issue 2

Publisher: John Wiley & Sons, Inc.
Full text available: pdf(376.25 KB) Additional Information: full citation, abstract, references, cit

In this article we propose a bilingual agent to accept either SNMP or HTTP commands and desig network management. For network elements that support only SNMP, the bilingual agent can ac agent can also be queried through the Web browser. © 1998 John Wiley & Sons, Ltd.

16 Getting proactive network management from reactive network management tools
Timothy Chiu
February 1998 **International Journal of Network Management**, Volume 8 Issue 1
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(145.53 KB) Additional Information: full citation, abstract, references, in

Typical network management tools fail to prevent network outages and downtime. Network mar management with existing tools, using SNMP automatic actions, triggered by thresholds. © 199

17 Object lessons learned from a distributed system for remote building monitoring and opera
Frank Olken, Hans-Arno Jacobsen, Chuck McParland, Mary Ann Piette, Mary F. Anderson
October 1998 **ACM SIGPLAN Notices , Proceedings of the 13th ACM SIGPLAN conference systems, languages, and applications OOPSLA '98**, Volume 33 Issue 10
Publisher: ACM Press
Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, cit

In this paper we describe our experiences with the design, the deployment, and the initial opera monitoring and operation of multiple heterogeneous commercial buildings across the Internet fr significantly reduce building energy usage.Our system is distinguished by its ability to interface Energy Management Control Systems (EMCSs), its use of the Common Object Request ...

18 Papers: Analysis of errors in network load measurements
Stanislav Belenki, Sven Tafvelin
January 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 1
Publisher: ACM Press
Full text available: pdf(750.73 KB) Additional Information: full citation, abstract, references

The paper identifies elements in network monitoring systems that cause errors in the load meas statistics from an academic backbone network. Two types of network monitors are investigated: paper explains how to assign an accuracy term to the load values in case of counter-based mon case of packet capturing monitors. The paper also suggests an MIB to reduce the counter-ba ...

19 The design and implementation of a heterogeneous computer networking laboratory
Guillermo A. Francia, Randy K. Smith
October 2000 **Journal of Computing Sciences in Colleges**, Volume 16 Issue 2
Publisher: Consortium for Computing Sciences in Colleges , Consortium for Computing Sciences in Colleges
Full text available: pdf(56.33 KB) Additional Information: full citation, abstract, references, cit

This paper presents the experiences gained by the authors in the design and implementation of laboratory. Hopefully, this laboratory model would better prepare any computer science departn presented by the rapid advancement of telecommunication technology.

20 Status of standards
A. Lyman Chapin
April 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 2
Publisher: ACM Press
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21 A network model for network management teaching

Colin Pattinson, Tony Dacre
July 1998 **Proceedings of the 3rd Australasian conference on Computer science education ACSE '98**
Publisher: ACM Press
Full text available: pdf(537.03 KB) Additional Information: full citation, references, index terms

22 Design and implementation of a web-based Internet performance management system using SNMP MIB-II0

Seong Jin Ahn, Seung Keun Yoo, Jin Wook Chung
September 1999 **International Journal of Network Management**, Volume 9 Issue 5
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(842.57 KB) Additional Information: full citation, abstract, references, index terms

This article is aimed at defining items of analysis using SNMP MIB‐II for the purpose of analyzing the performance of Internet‐based networks running on TCP/IP protocol, and then utilizing these items, in conjunction with various Web technology and JAVA, to design and implement a Web‐based interface of a management system to analyze the performance of the Internet. Copyright © 2000 John Wiley & Sons, Ltd.

23 TR–Tracer for Windows

Gilbert Held
July 1997 **International Journal of Network Management**, Volume 7 Issue 3
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(1.54 MB) Additional Information: full citation, index terms

24 Papers: Automatic VLAN creation based on on-line measurement

Sean Rooney, Christian Hörtnagl, Jens Krause
July 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 3
Publisher: ACM Press
Full text available: pdf(806.29 KB) Additional Information: full citation, abstract, references

Virtual LANs (VLANs) permit hosts connected to a LAN switch to be grouped together into logical groups as a function of some management policy rather than simply of their physical location. Commercial LAN switches support a variety of policies based on either physical or logical addresses, protocol types, tagged frames, or user defined rules. The objective of these policies is the same: to reduce the amount of traffic that needs to be routed by grouping together hosts which are likely to communi ...

25 Papers: Independent active program representation using ASN. 1

Brad Williamson, Craig Farrell
April 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 2
Publisher: ACM Press
Full text available: pdf(1.31 MB) Additional Information: full citation, abstract, references

The future success of computer communications will largely depend on how effectively applications achieve their desired quality of service (QoS). Active networks move closer to the goal of application specified QoS by allowing user-specified network related computation to be *injected* into the network elements. Although research into active networks is in its infancy, one area that has not yet received much attention is the representation of active programs. The Active Network Encapsulatio ...

26 Deriving traffic demands for operational IP networks: methodology and experience

Anja Feldmann, Albert Greenberg, Carsten Lund, Nick Reingold, Jennifer Rexford, Fred True
August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(341.59 KB) Additional Information: full citation, abstract, references, citings, index terms

Engineering a large IP backbone network without an accurate, network-wide view of the traffic demands is challenging. Shifts in user behavior, changes in routing policies, and failures of network elements can result in significant (and sudden) fluctuations in load. In this paper, we present a model of traffic demands to support traffic engineering and performance debugging of large Internet Service Provider networks. By defining a traffic demand as a volume of load originating from an ingre ...

27 Migration Issues and Strategies for Token Ring

Bengt Beyer-Ebbesen, Mark Cowtan, Sharam Hakimi, Robert D. Love
July 1997 **International Journal of Network Management**, Volume 7 Issue 4
Publisher: John Wiley & Sons, Inc.
Full text available: pdf(472.60 KB) Additional Information: full citation, abstract, index terms

This article considers the problems caused by ever increasing traffic on Token Ring LANs. It shows how the new IEEE 802.5 standard for DTR addresses this problem, outlining scenarios and providing a migration strategy for evolving networks, using this new standard. © 1997 John Wiley & Sons, Ltd.

28 Visualizing packet traces

John A. Zinky, Fredric M. White
October 1992 **ACM SIGCOMM Computer Communication Review , Conference proceedings on Communications architectures & protocols SIGCOMM '92**, Volume 22 Issue 4
Publisher: ACM Press
Full text available: pdf(1.34 MB) Additional Information: full citation, abstract, references, index terms

This paper describes an environment for visualizing packet traces that greatly simplifies troubleshooting protocol implementations. Network management centers routinely collect

packet traces to tally traffic statistics and to troubleshoot protocol configuration and implementation problems. Previous efforts have focused on the reliable collection of traces and their statistical interpretation. Display of packet traces was restricted to a textual representation of the raw headers. Our prototy ...

29 Integration of circuit and packet switched transport in a 3RD generation mobile network

Andrea Calvi, Francisco Cano Hila

October 1998 **Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(1.18 MB) Additional Information: full citation, references, index terms

30 Distributed algorithms for dynamic replication of data

Ouri Wolfson, Sushil Jajodia

July 1992 **Proceedings of the eleventh ACM SIGACT-SIGMOD-SIGART symposium on Principles of database systems**

Publisher: ACM Press

Full text available: pdf(1.54 MB) Additional Information: full citation, abstract, references, citings, index terms

We present two distributed algorithms for dynamic replication of a data-item in communication networks. The algorithms are adaptive in the sense that they change the replication scheme of the item (i.e. the set of processors at which the data-item is replicated), as the read-write pattern of the processors in the network changes. Each algorithm continuously moves the replication scheme towards an optimal one, where optimality is defined with respect to different objective functions. One alg ...

31 Trajectory sampling for direct traffic observation

N. G. Duffield, M. Grossglauser

August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(421.07 KB) Additional Information: full citation, abstract, references, citings, index terms

Traffic measurement is a critical component for the control and engineering of communication networks. We argue that traffic measurement should make it possible to obtain the spatial flow of traffic through the domain, i.e., the paths followed by packets between any ingress and egress point of the domain. Most resource allocation and capacity planning tasks can benefit from such information. Also, traffic measurements should be obtained without a routing model and without knowledge of netwo ...

32 A Practical Guide to SNMPv3 and Network Management

Charles Curley

April 2000 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: html(7.50 KB) Additional Information: full citation, index terms

33 Student session: From context to sentence form

Sabine Geldof

June 2000 **Proceedings of the first international conference on Natural language**

generation - Volume 14 INLG '00

Publisher: Association for Computational Linguistics

Full text available: pdf(447.09 KB) Additional Information: full citation, abstract, references

When generating utterances, humans may choose among a number of alternative sentence forms expressing the same propositional content. The context determines these decisions to a large extent. This paper presents a strategy to allow for such context-sensitive variation when generating text for a wearable, advice giving device. Several dimensions of context feed a model of the hearer's attention space, which, in terms of Information Structure Theory, determines the form of the sentence to be gener ...

34 Computer Processing of Line-Drawing Images

Herbert Freeman

March 1974 **ACM Computing Surveys (CSUR)**, Volume 6 Issue 1

Publisher: ACM Press

Full text available: pdf(3.18 MB) Additional Information: full citation, references, citings, index terms

35 Book Review: SNMP, SNMPv2, and CMIP: The Practical Guide to Network Management Standards by William Stallings: (Addison-Wesley Publishing Company Inc. 1993)

Ewerton Longoni Madruga

March 1994 **ACM SIGARCH Computer Architecture News**, Volume 22 Issue 1

Publisher: ACM Press

Full text available: pdf(223.72 KB) Additional Information: full citation

36 An evaluation of an automatically generated compiler

Anthony M. Sloane

September 1995 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 17 Issue 5

Publisher: ACM Press

Full text available: pdf(1.05 MB) Additional Information: full citation, abstract, references, index terms, review

Compilers or language translators can be generated using a variety of formal specification techniques. Whether generation is worthwhile depends on the effort required to specify the translation task and the quality of the generated compiler. A systematic comparison was conducted between a hand-coded translator for the Icon programming language and one generated by the Eli compiler construction system. A direct comparison could be made since the generated program performs the same translatio ...

Keywords: compiler generation